

The documentation and process conversion measures necessary to comply with this amendment shall be completed by 9 June 2001.

INCH-POUND

MIL-PRF-19500/406D
AMENDMENT 1
9 March 2001

PERFORMANCE SPECIFICATION

SEMICONDUCTOR DEVICES, DIODE, SILICON, VOLTAGE REGULATOR
TYPES 1N4460, THROUGH 1N4496 AND 1N6485, THROUGH 1N6491 1N4460US, THROUGH
1N4496US, AND 1N6485US, 1N6485CUS, 1N6485DUS THROUGH 1N6491US,
PLUS C AND D TOLERANCE SUFFIXES; JAN, JANTX, JANTXV, JANJ, JANS, JANHC, AND JANKC

This amendment forms a part of MIL-PRF-19500/406D, dated 29 September 1999, and is approved for use by all Departments and Agencies of the Department of Defense.

PAGE 1

TITLE, delete and substitute:

" SEMICONDUCTOR DEVICES, DIODE, SILICON, VOLTAGE REGULATOR
TYPES 1N4460, 1N4460C, 1N4460D THROUGH 1N4496, 1N4496C, 1N4496D AND
1N6485, 1N6485C, 1N6485D THROUGH 1N6491, 1N6491C, 1N6491D
1N4460US, 1N4460CUS, 1N4460DUS THROUGH 1N4496US, 1N4496CUS, 1N4496DUS AND
1N6485US, 1N6485CUS, 1N6485DUS THROUGH 1N6491US, 1N6491CUS, 1N6491DUS
PLUS C AND D TOLERANCE SUFFIX; JAN, JANTX, JANTXV, JANS, JANHC, AND JANKC"

PAGE 8

3.9, delete paragraph number "3.9" and substitute "3.10".

PAGE 10

4.4.2, delete the last sentence.

4.4.2.1, screening table, add subgroup B3:

"Subgroup	Method	Condition
B3	1071	Test condition E only."

4.4.2.1, screening table, delete B5 and substitute:

"B5	1027	I _Z = 40 percent of column 8 of table III for 96 hours. T _A = +125°C maximum or adjusted as required, to give T _J = +275°C minimum (frequency of test is in accordance with inspection lot).
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or

Optional	I _Z = 40 percent of column 8 of table III for 1000 hours. T _A = +125°C maximum or adjusted as required to give T _J = +200°C (min) at double the sample size, frequency is in accordance with inspection lot. Lead samples from the same lot may be used in lieu of the U suffix sample life test."
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4.4.3, delete the last sentence.

AMSC N/A

1 of 2

FSC 5961

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AMENDMENT 1

PAGE 11

4.5.6, delete and substitute:

"4.5.6 Pulse measurements. Conditions for pulse measurements shall be as specified in 4.3.2.2 of MIL-STD-750."

PAGE 12

TABLE I, subgroup 4, knee impedance, conditions column, delete " I_{ZK} = column 15 of table III", and substitute " I_{ZK} = column 14 of table III".

PAGE 14

TABLE III, device type 1N6488, column 13, delete "+.050", and substitute "-.050".

Custodians:

Army - CR
Navy - EC
Air Force - 11
NASA - NA
DLA - CC

Preparing activity:
DLA - CC

(Project 5961-2292)

Review activities:

Army - AR, MI, SM
Navy - AS, CG, MC
Air Force - 13, 19